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1 [Shape-based retrieval and analysis of 3D models](#)

[Thomas Funkhouser](#), [Michael Kazhdan](#)

August 2004

SIGGRAPH '04: SIGGRAPH 2004 Course Notes
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (12.56 MB)

 Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 389, Downloads (12 Months): 952, Downloads (Overall): 3383, Citation Count: 1

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find ...

2 [A new, software design based, financially responsible computer science major at a small liberal arts college](#)

[David P. Voorhees](#)

 January 2008 **Journal of Computing Sciences in Colleges**, Volume 23 Issue 3

Publisher: Consortium for Computing Sciences in Colleges

 Full text available: [Pdf](#) (192.08 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 27, Downloads (Overall): 84, Citation Count: 0

This paper describes a new computer science major at a small liberal arts college. This major emphasizes the theory and practice of software design and includes a two-semester research/capstone course. Given the historically cyclic demand for computer ...

3 [Integrated speech and gaze control for realistic desktop environments](#)

[Emiliano Castellina](#), [Fulvio Corno](#), [Paolo Pellegrino](#)

 March 2008 **ETRA '08: Proceedings of the 2008 symposium on Eye tracking research & applications**
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (293.69 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 81, Downloads (Overall): 143, Citation Count: 1

Nowadays various are the situations in which people need to interact with a Personal Computer without having the possibility to use traditional pointing devices, such as a keyboard or a mouse. In the latest years, various alternatives to the classical ...

Keywords: eye tracking, multimodal interaction, speech recognition, usability

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4 [Ace: a language for parallel programming with customizable protocols](#)



[Mukund Raghavachari, Anne Rogers](#)

August 1999 **Transactions on Computer Systems (TOCS)** , Volume 17 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (297.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 46, Downloads (Overall): 344, Citation Count: 0

Customizing the protocols that manage accesses to different data structures within an application can improve the performance of software shared-memory programs substantially. Existing systems for using customizable protocols are hard to use directly ...

Keywords: parallel processing


5 [An architecture for viewpoint environments based on OMG/CORBA](#)



[Wolfgang Emmerich](#)

October 1996 Joint proceedings of the second international software architecture workshop (ISAW-2) and international workshop on multiple perspectives in software development (Viewpoints '96) on SIGSOFT '96 workshops

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (913.73 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 4, Downloads (Overall): 124, Citation Count: 2


6 [Dynamic software updating](#)



[Michael Hicks, Scott Nettles](#)

November 2005 **Transactions on Programming Languages and Systems (TOPLAS)** , Volume 27 Issue 6

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (622.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 61, Downloads (12 Months): 277, Downloads (Overall): 1324, Citation Count: 7

Many important applications must run continuously and without interruption, and yet also must be changed to fix bugs or upgrade functionality. No prior general-purpose methodology for dynamic updating achieves a practical balance between flexibility, ...

Keywords: Dynamic software updating, typed assembly language


7 [A qualitative assessment of the efficacy of UML diagrams as a form of graphical documentation in aiding program understanding](#)



[Scott Tilley, Shihong Huang](#)

October 2003 **SI GDOC '03: Proceedings of the 21st annual international conference on Documentation**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (274.99 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 98, Downloads (Overall): 1789, Citation Count: 9

Graphical documentation is often characterized as an effective aid in program understanding. However, it is an open question exactly which types of graphical documentation are most suitable for which types of program understanding tasks (and in which ...

Keywords: Unified Modeling Language (UML), assessment, graphical documentation, program understanding

8 [Intermediary Architecture: interposing middleware object services between Web client and server](#)

 [Craig Thompson](#), [Paul Pazandak](#), [Venu Vasudevan](#), [Frank Manola](#), [Mark Palmer](#), [Gil Hansen](#), [Tom Bannon](#)

June **Computing Surveys (CSUR)** , Volume 31 Issue 2es
1999

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (33.33 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 40, Downloads (Overall): 743, Citation Count: 0

This paper describes the Intermediary Architecture, a middleware architecture which interposes distributed object services between Web client and server. The architecture extends current Web architectures with a new kind of plug-in, ...



Keywords: World Wide Web, annotations, distributed objects, object request brokers

9 [The development of the Emerald programming language](#)

 [Andrew P. Black](#), [Norman C. Hutchinson](#), [Eric Jul](#), [Henry M. Levy](#)

June **HOPL III: Proceedings of the third ACM SIGPLAN conference on History of programming languages**
2007

Publisher: ACM  [Request Permissions](#)


Full text available:  Mov (54:7 MIN),  Pdf (1.45 MB) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 200, Downloads (Overall): 559, Citation Count: 0

Emerald is an object-based programming language and system designed and implemented in the Department of Computer Science at the University of Washington in the early and mid-1980s. The goal of Emerald was to simplify the construction of distributed ...


Keywords: Eden, Emerald, Washington, abstract types, call-by-move, distributed programming, mobility, object mobility, object-oriented programming, polymorphism, remote object invocation, remote procedure call, type conformity

10 [Space-efficient scheduling of nested parallelism](#)

 [Girija J. Narlikar](#), [Guy E. Blelloch](#)

January **Transactions on Programming Languages and Systems (TOPLAS)** , Volume 21 Issue 1
1999

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (481.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 64, Downloads (Overall): 349, Citation Count: 10

Many of today's high-level parallel languages support dynamic, fine-grained parallelism. These languages allow the user to expose all the parallelism in the program, which is typically of a much higher degree than the number of processors. Hence an ...

Keywords: dynamic scheduling, multithreading, nested parallelism, parallel language implementation, space efficiency

11 [Proceedings of the 2007 international symposium on Wikis](#)

 [Alain Désilets](#), [Robert Biddle](#)

October **WikiSym '07: Proceedings of the 2007 international symposium on Wikis**
2007

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

The 2007 International Symposium on Wikis brings together wiki researchers, practitioners, and users. The goal of the symposium is to explore and extend our growing community. The symposium has a rigorously reviewed research paper track, as well as plenty ...

12 [Proceedings of the eleventh international conference on 3D web technology](#)



[Denis Gracanin](#)

April **Web3D '06: Proceedings of the eleventh international conference on 3D web technology**
2006

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

This volume contains the papers accepted for the Web3D 2006 Symposium on 3D Web Technologies, which was held for the first time on the East Coast, in Columbia, Maryland. The papers cover a wide range of 3D web related topics, from behavior and semantics ...

13 [Write barrier removal by static analysis](#)



[Karen Zee](#), [Martin Rinard](#)

November **OOPSLA '02: Proceedings of the 17th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**
2002

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (396.83 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Downloads (Overall): 399, Citation Count: 10

We present a new analysis for removing unnecessary write barriers in programs that use generational garbage collection. To our knowledge, this is the first static program analysis for this purpose. Our algorithm uses a pointer analysis to locate assignments ...

Keywords: generational garbage collection, pointer analysis, program analysis, write barriers

Also published in:

November 2002 **SIGPLAN Notices** Volume 37 Issue 11

14 [Building a prototype for network measurement virtual observatory](#)



[Peter Matray](#), [Istvan Csabai](#), [Peter Haga](#), [Jozsef Steger](#), [Laszlo Dobos](#), [Gabor Vattay](#)

June **MineNet '07: Proceedings of the 3rd annual ACM workshop on Mining network data**
2007

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (760.15 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 48, Downloads (Overall): 142, Citation Count: 1

Online sharing of scientific information has accelerated the research activity in various different domains of science. This fact inspires us to initiate this kind of approach in the field of network research and review some projects pointing towards ...

Keywords: ETOMIC, data sharing, network measurement, virtual observatory

15 [Analysing internet software retrieval systems: modeling and performance comparison](#)

[José Merseguer](#), [Javier Campos](#), [Eduardo Mena](#)

May **Wireless Networks** , Volume 9 Issue 3
2003

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (425.44 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 27, Downloads (Overall): 427, Citation Count: 4

Nowadays, there exist web sites that allow users to retrieve and install software in an easy way. The performance of these sites may be poor if they are used in wireless networks; the reason is the inadequate use of the net resources that they need. ...



Keywords: UML, internet, mobile agent technology, software performance engineering, stochastic Petri nets

16 [A practical crash course in Java 1.1+ programming and technology: part I](#)

 [George Crawford, III](#)


November **Crossroads** , Volume 4 Issue 2
1997

Publisher: ACM  [Request Permissions](#)

Full text available:  [Html](#) (10.71 KB),  [Pdf](#) (92.00 KB) **Additional Information:** [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 17, Downloads (Overall): 21, Citation Count: 0

17 [Modeling motivation for adaptive nonplayer characters in dynamic computer game worlds](#)

 [Kathryn Merrick](#)

March **Computers in Entertainment (CI E)** , Volume 5 Issue 4
2008

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (582.06 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 247, Downloads (Overall): 447, Citation Count: 1

Current computer games are being set in increasingly more complex and dynamic virtual environments. Massively multiplayer online games, for example, are played in persistent virtual worlds, which evolve and change as players create and personalize their ...

Keywords: computer games, motivation, neural nets, nonplayer characters, persistent virtual worlds, reinforcement learning

18 [Using design patterns to guide the development of reusable object-oriented software](#)

 [D. Schmidt](#)


December **Computing Surveys (CSUR)** , Volume 28 Issue 4es
1996

Publisher: ACM  [Request Permissions](#)

Full text available:  [Html](#) (16.20 KB) **Additional Information:** [full citation](#), [references](#), [cited by](#)


Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 105, Downloads (Overall): 1114, Citation Count: 1

19 [A gaze contingent environment for fostering social attention in autistic children](#)

 [Rameshsharma Ramiloli](#), [Cheryl Trepagnier](#), [Marc Sebrechts](#), [Andreas Finkelmeyer](#)

March **ETRA '04: Proceedings of the 2004 symposium on Eye tracking research & applications**
2004

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (334.06 KB) **Additional Information:** [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 56, Downloads (Overall): 830, Citation Count: 2

This paper documents the engineering of a gaze contingent therapeutic environment for the exploration and validation of a proposed rehabilitative technique addressing attention deficits in 24 to 54 months old autistic subjects. It discusses the current ...



Keywords: attention, autism, design workflow, eye tracker calibration, gaze contingent environment

20 [A Framework for Heterogeneous Concurrency Control Policies in Distributed Applications](#)

[Antonio Rito Silva](#), [João Pereira](#), [Pedro Sousa](#)

March **IWSSD '96: Proceedings of the 8th International Workshop on Software Specification and Design**
1996

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#) ,  [Pdf](#) (1.35 MB) **Additional Information:** [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 3, Downloads (Overall): 188, Citation Count: 0





Several concurrency control policies for distributed systems have been proposed both by theorists and practitioners. In this paper we present an abstract framework for concurrency control policies for the serial model. This framework supports a wide ...

Keywords: Concurrency Control, Concurrency and Distribution, Software Architectures

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